



Inspired by Technology. Proven by Experience.™

OpSec Cards

PRODUCT FEATURES

- ✦ Sophisticated construction for durable cards
- ✦ Protection against duplication and alteration
- ✦ Sequential numbering by laser etching, ink jet, and barcoding
- ✦ Magnetic stripe technology
- ✦ Strictly secure processing and inventory management

SECURITY OPTIONS

Overt

- ✦ OpSec Advantage™ trimodal image
- ✦ HRI (transparent OVD)
- ✦ OVI (optically variable ink)
- ✦ Fine-line printing
 - Rainbow printing
 - Guilloche patterns
 - Four-color process

Covert

- ✦ Three-color UV printing, invisible in ordinary light
- ✦ Microtext
- ✦ IR features
- ✦ Taggants



Protecting Your Identity

OpSec ID cards are ideal for drivers' licenses, national IDs, and other government identity documents. Licenses and similar ID cards are high-value documents, and they are a natural target for counterfeiting. OpSec ID

card technologies protect the integrity of identification documents with built-in security features and tight control of the supply chain, from card manufacture to license issuing.

Layered Security

OpSec cards feature the latest in security standards – from overt holograms, OpSec Advantage™ technology, and engraved serialization to covert microtext, taggants, and UV printing. These sophisticated technologies work together, increasing the security of the card exponentially.

All security features reside beneath the card's top layer and are completely inaccessible. Together, they protect against counterfeiting, duplication, alteration, and misuse of any kind.

The OpSec Advantage™

OpSec Advantage consists of a custom image that is integrated on a security layer embedded within the card. It is a liquid crystal device with unique trimodal properties. In normal lighting, both daylight and artificial, the image appears green to orange, depending on viewing angle. Head-on, the image is virtually transparent, so it doesn't mask the variable information. These are not subtle, marginal color shifts, as with other OVDs; OpSec Advantage images are obvious to anyone, anywhere, without special training or devices. In more than 20 years of use worldwide, Advantage has defied all efforts at duplication.



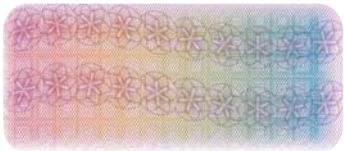
COMPLETE CARD PROTECTION



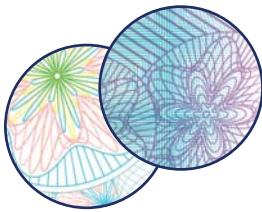
OpSec Advantage™ trimodal image technology incorporates a trimodal liquid crystal OVD that shows clear color differences from green to orange then transparent at different angles.



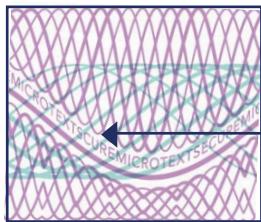
Fire and Ice feature uses a unique formulation on inks, making them visible only when scanned rapidly back and forth by a special UV light source under low-level light conditions.



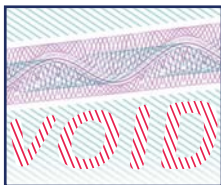
Rainbow printing incorporates multiple features printed in smoothly blended colors – ranging the spectrum from red to blue – which cannot be reproduced by either scanner or copier.



Fine line circular guilloche is a complex pattern that increases the security of the rainbow printing.



Microtext is too small to read without magnification. It usually is situated in an obscure area of the card. It can include deliberate errors (e.g., a missing 'e' in the 'Secure') in the microtext.



Angle disturbance renders features such as a VOID mark invisible except when the card is scanned at high resolution or by color copier.

Protection Your Way

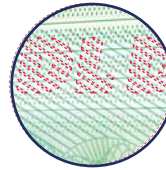
OpSec cards can include any combination of a wide variety of security technologies. These sophisticated techniques work together, increasing security exponentially. All security features reside beneath the card's top layer and are completely inaccessible. Together they combat counterfeiting, duplication, alteration and misuse of any kind.



Three-color UV printing is only visible when illuminated by a UV light.



Fine line printing consists of complex patterns that appear to move when viewed at certain angles.



Overlapping and redundancy techniques produce complex interaction of colors and patterns, some with deliberate inconsistencies.



Forensic features are qualities that are customer-specific, known only to OpSec, and externally undetectable unless the card is disassembled in a lab.



Tactile laser engraving offers maximum protection against data manipulation and forgery. It is difficult to simulate or alter and easy to validate by touch.



Sequential numbering by laser-etching, ink-jet printing, or barcoding gives agencies another means to verify individual identities.



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